***Richard Huang***

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***Education***

**Carnegie Mellon University** Pittsburgh, PABachelor of Science in Information Systems, Minors in Computer Science and Business Administration May 2018

* GPA: 3.80

***Certifications/Skills***

* **Certifications:** Cisco CCNA Networking for Home and Small Business 4.0, Cisco IT Essentials-PC Hardware and Software
* **Tools:** Eclipse, Oracle, Access, Heroku, AWS S3/EC2, Jenkins, Tomcat, Linux, Sharepoint, Visio, VirtualBox
* **Frameworks:** Ruby on Rails, Django, Backbone, Selenium, Mocha/Jasmine, Pytest, RSpec, QlikView
* **Languages:** Java, Python, Ruby, SQL(MySQL, PostgreSQL), JavaScript/CoffeeScript, CSS, HTML, C, PERL

***Relevant Experience***

**University of Pittsburgh Medical Center (UPMC)** Pittsburgh, PA

Data Governance Consultant November 2015 – Present

* Designed a normalized and generalized structure (ERD) for modelling the data within UPMC and their services.
* Developed full stack web application using Ruby on Rails to help govern and manage medical data.
* Built data analytics and visualization dashboards using D3 to find pain points and do impact analysis.

**Kyruus** Boston, MA

Software Engineering Intern May 2015 – August 2015

* Built patient doctor booking system with Backbone, Cofeescript, and Gulp.
* Developed new features for the main patient doctor search engine, with Ruby on Rails and Node modules.
* Created complete testing suite using Selenium, Pytest, RSpec, Sinon/Jasmine.

**Morgan Stanley** New York, NY

Data Analyst Intern Sept. 2013 – Aug. 2014

* Worked on maintaining and updating the Teradata and Greenplum databases and data warehouses.
* Created dynamic data visualization web-tools using Javascript, Jquery, D3, PERL, HTML, and CSS.
* Implemented multiple data validation and analytics web applications and cgi pages.

**SongDrop.me** Pittsburgh, PA

Chief Technology Officer Feb. 2015 – January 2016

* Co-founded a startup in the Project Olympus incubator that promotes lesser known song artists and their work.
* Developed the frontend website and backend database for main product.

**Ward Home**  Pittsburgh, PA

Data Analyst (Volunteer) Oct. 2014 – May 2015

* Built data analytics and management tools and maintained the database for this charitable organization.

***Extracurricular Activities***

**ArduSat Satellite and High-Altitude Balloon, Lead Programmer** Sept. 2013 – June 2014

* Managed the programming aspect of this Arduino based satellite project that have been launched on November 2013.

**American Computer Science League, Team Captain/President – 9th Place International** Sept. 2012 – June 2014

* Led and trained school team for the international ACSL computer algorithms competition.

**ENACTUS – Citizen’s Empowerment, Project Leader** Sept. 2015 – Present

* Organized and taught professional technical courses at Veterans Leadership Program.
* Developed the curriculum for the courses and ran weekly club meetings.

**Milk Line, President**  Sept. 2014 – Present

* Co-founded a business/start-up club that conveniently delivers a healthy breakfast to students around campus.

**Delta Tau Delta, Treasurer**  Oct. 2014 – Present

* Managed all the funds for the Fraternity and created the budget for all the departments as well as fraternity chef.

***Awards***

**IBM Master the Mainframe Competition** – 1st Stage International Winner Sept. 2010 – June 2014

**Global Enterprise Challenge** – 5th Place Nationally for this Entrepreneurship CompetitionJune 2013

**United States of America Computing Olympiad** – Silver League for this Algorithms Competition Sept. 2012 – June 2014

**BitCamp Hackathon 2015** – Best Use of Capital One’s API and Best UI Design (Goldman Sachs) April 2015